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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/632,601	08/04/2000	RAYMOND T. HOWARD	05770-124001	2617

7590

12/03/2001

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EXAMINER

ADDISON, KAREN B

ART UNIT

PAPER NUMBER

2834

DATE MAILED: 12/03/2001

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/632,601

Applicant(s)

GAMBLE ET AL.

Examiner

Karen B Addison

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claims ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- 15) ☒ Notice of References Cited (PTO-892)
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 18) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other: _____.

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DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of claims 1-11 in Paper No. 7 is acknowledged.

Specification

The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: wedge having a "first edge and second edge".

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless —(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 and 11 is rejected under 35 U.S.C. 102(b) as being anticipated by Pierson (3914859).

Pierson discloses in fig. 1 a stator support system for supporting a coil comprising a inner support tube having an outer surface (10), a plurality of spaced winding (30) supported on the outer surface of the inner support tube, spaces between the adjacent windings defining a plurality of gaps and a plurality of wedges (12) having a first and

coil
copper wire coils has high permeability which at
least one channel

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second edge (A & B) configured to mechanically engage the outer surface of the support tube and a circular cross support (32) positioned over the plurality of spaced windings and extending perpendicular to a longitudinal axis of the stator coil assembly, the cross support having a first edge configured to mechanically engage the second plurality of wedges.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claim 1-6,8-10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Pierson in view of Curtiss (4134036).

As seen above, Pierson discloses a stator support system in paragraph 1. However, does not disclose a housing having a plurality of spaced cross support members having the edge configured to mechanically engage inner surface of a housing, a housing having a plurality of grooves, a plurality of cross members having at least one tab and a plurality of non-magnetic wedges configured with at least one notch.

Curtiss disclose in fig.1 a motor mounting device for a stator comprising a housing (14) having a plurality of grooves (16) and a circular cross support (11) having a plurality of edges (12) to mechanically engage in the inner surface of the housing where in the cross support is formed of a high permeability material for the purpose of tightly

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retaining the peripheral surface of the stator. Therefore it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the stator assembly of Pierson with the Motor mounting device of Curtiss for the purpose of preventing the rotation of the stator.

3. Claim 7 rejected under 35 U.S.C. 103(a) as being unpatentable over Curtiss in view of Pierson as applied to claims 1 –6 and 8-10 above, and further in view of Livingston (1538196).

As seen in the above paragraph (4), Pierson disclose a stator support system having a inner support tube with a outer surface comprising coil having a cross support and Curtiss discloses a stator support system having a inner support tube and a housing having a grooves in the inner housing etc. However, neither Pierson nor Curtiss discloses a Wedge with a notch.

Livingston discloses in fig.1 a stator support system having where a plurality of wedges(12) configured with a notch for the purpose of mechanical engaging the cross support (10). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was to modify the stator system of Pierson and Curtiss with the wedges of Livingston for the purpose of preventing the rotation of the stator by securing the cross support and housing.

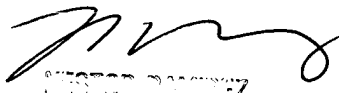
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karen B Addison whose telephone number is 703-306-5855. The examiner can normally be reached on 8:00 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on 703-308-1317. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-3431 for regular communications and 703-305-3431 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

KBA
November 20, 2001


KAREN B. ADDISON
Examiner
November 20, 2001